

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	298	(oscillat\$3 or reciprocal near rotat\$3) with vertical\$3 with horizontal\$3 with (Spray or manifold or nozzle)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 09:56
L2	16	oscillat\$3 with vertical\$3 with horizontal\$3 with (Spray or manifold or nozzle) with cam	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 10:12
L3	174	"239".clas. and drive near (wheel or plate) and cam	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 10:13
L4	818	(oscillat\$3 or reciproca\$2) with (up or down or upward\$2 or downward\$2 or vertical\$3) with (left or leftward\$3 or right or rightward\$3 or side or sideways or side-to-side or horizontal\$3) with (Spray or manifold or nozzle)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 10:21
L5	174	(oscillat\$3 or reciproca\$2) near5 (up or down or upward\$2 or downward\$2 or vertical\$3) near5 (left or leftward\$3 or right or rightward\$3 or side or sideways or side-to-side or horizontal\$3) with (Spray or manifold or nozzle)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 10:21
L8	3	134/103.2 and reciprocate	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 11:05
L9	11	134/103.2 and reciprocal\$3	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 11:05
L10	56	134/103.2 and manifold	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 11:05

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S1	98	(US-20060266388-\$ or US-20020100136-\$ or US-20040103933-\$ or US-20050115593-\$ or US-20060037635-\$ or US-20080210260-\$ or US-20080210276-\$ or US-20080210280-\$).did. or (US-4785836-\$ or US-5213117-\$ or US-5388601-\$ or US-6073640-\$ or US-6546590-\$ or US-5704381-\$ or US-5817253-\$ or US-5324425-\$ or US-5395537-\$ or US-5584899-\$ or US-6161560-\$ or US-4370992-\$ or US-4427456-\$ or US-4561903-\$ or US-4572438-\$ or US-4788993-\$ or US-4793369-\$ or US-4823820-\$ or US-4959882-\$ or US-4995409-\$ or US-5213119-\$ or US-5232299-\$ or US-5253665-\$ or US-5277208-\$ or US-5285802-\$ or US-5318056-\$).did. or (US-5385159-\$ or US-5398708-\$ or US-5427128-\$ or US-5456842-\$ or US-5482066-\$ or US-5485860-\$ or US-5529080-\$ or US-5540246-\$ or US-5630435-\$ or US-5640981-\$ or US-5656156-\$ or US-5722443-\$ or US-5782252-\$ or US-5823447-\$ or US-6021792-\$ or US-6044852-\$ or US-6109277-\$ or US-6164298-\$ or US-6189549-\$ or US-6227745-\$ or US-6244279-\$ or US-6258772-\$ or US-6276374-\$ or US-6286523-\$ or US-6440910-\$ or US-6550489-\$ or US-6568409-\$).did. or (US-7128075-\$ or US-7484515-\$ or US-6115541-\$ or US-4264230-\$ or US-4313564-\$ or US-4950392-\$ or US-5513667-\$ or US-5649557-\$ or US-6152384-\$ or US-5425385-\$ or US-4299245-\$ or US-4316726-\$ or US-4517704-\$ or US-4895205-\$ or US-5409027-\$ or US-5419348-\$ or US-5441063-\$ or US-5622196-\$ or US-5626158-\$ or US-5657929-\$ or US-5673856-\$ or US-5749385-\$ or US-5816275-\$ or US-5849101-\$ or US-5993739-\$ or US-6059444-\$ or US-6092491-\$).did. or (US-6094772-\$ or US-6116255-\$ or US-6186156-\$ or US-6199773-\$ or US-6220952-\$ or US-6257254-\$ or US-6439248-\$ or US-6450185-\$ or US-6598262-\$ or US-7175109-\$).did.	US-PGPUB; USPAT	OR	ON	2009/06/01 13:59
S2	121	(parts near washer).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 14:09
S3	97	S2 not S1	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 14:09

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S4	51	S2 and rotat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 14:12
S5	55	S2 and rotat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 14:13
S6	26	("1907411" "2721566" "3054411" "3439689" "3921653" "4143669").PN. OR ("4213475").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 14:23
S7	3	"5722443"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 14:30
S8	447	(nozzle or spray or jet) and (parts or components) near2 (washing or wash or washer) and reciproc\$4 and rotat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 14:54
S9	0	cam near3 plate near3 lug with "drive wheel" same manifold	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:15
S10	0	cam near3 plate near3 lug with drive same manifold	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:15
S11	38	cam near3 plate near3 lug with drive	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:16
S12	578	134/103.2.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:16
S13	1	134/103.2.ccls. and cam with lug	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:17
S14	5	134/103.2.ccls. and u-shaped near pipe	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:17
S15	26	134/103.2.ccls. and cam	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:26
S16	23	"134".clas. and cam near5 manifold	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 15:28
S18	93	134/180-181.ccls. and manifold	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/13 15:21
S19	16	134/180-181.ccls. and manifold and cam	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 15:57
S20	2	134/180-181.ccls. and manifold and cam and lug and plate	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 16:02

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S21	38	"239".clas. and manifold and cam and lug and plate	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 16:04
S22	173	"239".clas. and drive near (wheel or plate) and cam	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 16:08
S23	1137	239/225.1.ccls. or 239/236.ccls. or 239/240.ccls. or 239/243.ccls. or 239/263.1.ccls. or 239/263.3.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 16:14
S24	732	134/180-181.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 17:13
S25	68	134/180-181.ccls. and cam	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 17:15
S26	62	134/180-181.ccls. and cam and (nozzle or manifold)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 17:25
S27	1132	239/225.1.ccls. or 239/236.ccls. or 239/240.ccls. or 239/243.ccls. or 239/263.1.ccls. or 239/263.3.ccls. and (nozzle or manifold or inlet)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 17:57
S28	1128	239/225.1.ccls. or 239/236.ccls. or 239/240.ccls. or 239/243.ccls. or 239/263.1.ccls. or 239/263.3.ccls. and (nozzle or manifold)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 17:57
S29	1103	239/225.1.ccls. or 239/236.ccls. or 239/240.ccls. or 239/243.ccls. or 239/263.1.ccls. or 239/263.3.ccls. and (nozzle or manifold) near5 (vertical or vertically)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 17:58
S30	66	"239".clas. and parts near washer	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 18:17
S31	159	"239".clas. and parts near (washer or wash or washing)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/14 18:17
S32	192	"134".clas. and cam near5 (spray or outlet or inlet or tube or pipe or manifold)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/15 18:51
S33	500	"239".clas. and cam near5 (spray or outlet or inlet or tube or pipe or manifold)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/15 18:51
S34	1103	239/225.1.ccls. or 239/236.ccls. or 239/240.ccls. or 239/243.ccls. or 239/263.1.ccls. or 239/263.3.ccls. and (nozzle or manifold) near5 (vertical or vertically)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/15 19:00
S35	22	"4741351"	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/30 11:00

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S39	294	oscillat\$3 with vertical\$3 with horizontal\$3 with (Spray or manifold or nozzle)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/30 11:04
S40	16	oscillat\$3 with vertical\$3 with horizontal\$3 with (Spray or manifold or nozzle) with cam	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/30 11:05
S41	68	134/180-181.ccls. and cam	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/30 15:08
S42	26	134/103.2.ccls. and cam	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/30 15:11
S43	1	"10552960"	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/14 08:58